Scott

Scott Medical and Healthcare College

Care to learn
Learn to care

Revision List
Year 10

Top 10 tips to support your child with revision

- Being a role model - Help support them with revision by asking them questions, reading their notes and listening to them.
- Help them set goals - Encourage them to keep their goals planner visible – e.g. printed and displayed on their bedroom wall. Help focus them and talk to them about their goals regularly
- Keep them active - Encourage them to keep active on a daily basis
- Healthy eating - Encourage them to eat breakfast everyday Eating the right food and drink can energise your system, improve alertness and sustain your child through the long exams
- Time out - Encourage them to build in opportunities to take some time out every week, away from study
- Sleep patterns - Young people need between 8 – 9 hours sleep per night
- Unplugging - Encourage them to unplug from technology everyday. Help them switch off from technology at least 30 mins- 1 hr before going to sleep
- Staying cool & calm - Promote a balance of their academic studies & other activities during the week
- Belief - Give them positive reinforcement
- Be supportive

English

Type of assessment

Feb -100 recall questions.

Length of assessment

1 hour

- I can recall the plot of Macbeth
- I can recall the themes in Macbeth
- I can recall key quotations in Macbeth
- I can recall key characters in Macbeth
- I can recall the key context of Macbeth
- I can recall the plot of A Christmas Carol
- I can recall the themes in A Christmas Carol
- I can recall key quotations in A Christmas Carol
- I can recall key characters in A Christmas Carol
- I can recall the key context of A Christmas Carol

Maths FOUNDATION

Type of assessment

50 Mark Recall Assessment, including vocab, fundamental topics and content from Half term 1/2

Length of assessment

One lesson

- I can convert FDP
- I can work with fractions
- I can complete the 4 operations with fractions
- I can work with percentages
- I can work with ratio
- I can work with direct proportion
- I can work with powers, roots, index laws
- I can convert between SIF and ordinary numbers and use to calculate problems
- I can use basic algebraic concepts to notate and simplify expressions and equations
- I can substitute into expressions and equations
- I can expand and factorise bracket(s)
- I can solving equations
- I can rearrange formula to change the subject of an equation
- I can find missing angles in polygons

Maths HIGHER

Type of assessment

50 Mark Recall Assessment, including vocab, fundamental topics and content from Half term 1/2

Length of assessment

One lesson

- I can use and apply all index laws to numerical and algebraic values
- I can read and use standard form for all types of numbers to solve problems
- I can use and apply the concepts of bounds, accuracy and truncation to solve problems
- I can apply all four operations to fractions and mixed numbers to solve problems
- I can solve percentage problems in context
- I can apply ratio concepts to solve problems
- I can use numerical and algebraic methods to solve direct and inverse proportion problems
- I can calculate with surds
- I can work with sequences
- I can expand and factorise brackets and simplify algebraic terms
- I can rearrange all formulae to change the subject
- I can solve any type of linear equation and simple algebraic fractions
- I can solve linear simultaneous equations using any method
- I can solve compound measure problems involving speed, density and pressure.

Biology

Type of assessment

Each assessment contains 30 marks of recall questions (1 or 2 mark exam questions) and 20 marks of application questions (2 to 6 mark exam questions)

Length of assessment

One lesson

- Compare communicable and non-communicable diseases
- Describe bacterial, viral, protist and fungal diseases
- Describe the barriers humans have to infection
- Describe how ecosystems are arranged
- Explain relationships between organisms using diagrams such as food chains, predator-prey cycles and pyramids.
- Explain how different factors affect organisms in an ecosystem
- Describe how to estimate the population of an organism in a particular habitat
- Explain the impact of human activities on ecosystems and the environment
- Explain what is meant by food security
- Explain how materials such as water and carbon are cycled around the environment

Chemistry

Type of assessment

Each assessment contains 30 marks of recall questions (1 or 2 mark exam questions) and 20 marks of application questions (2 to 6 mark exam questions)

Length of assessment

One lesson

- Explain how Earth's resources can be used sustainably
- Explain how the use of fossil fuels pollutes the atmosphere
- Explain the evolution of the Earth's atmosphere
- Explain how greenhouse gases contribute towards climate change
- Explain how humans can reduce their carbon footprint
- Explain the differences between mixtures, formulations and pure substances
- Explain how water is treated to make it potable
- Explain the properties of metals and alloys
- Explain how corrosion can be prevented
- Describe the uses of materials such as ceramics, polymers, composites and nanoparticles
- Describe the energy changes in exothermic and endothermic reactions using energy profile diagrams
- Describe crude oil and its uses including how it is separated by fractional distillation and broken down by cracking.

Physics

Type of assessment

Each assessment contains 30 marks of recall questions (1 or 2 mark exam questions) and 20 marks of application questions (2 to 6 mark exam questions)

Length of assessment

One lesson

- Describe the particle model of matter
- Explain the changes in the arrangement and movement of particles during changes of state.
- Explain what is meant by density and how to calculate it
- Describe how to find the density of objects in the lab.
- Describe and calculate work done and power
- Describe and calculate gravitational potential energy, elastic potential energy and kinetic energy
- Explain the relationship between force and elasticity using Hooke's Law
- Describe how to investigate the relationship between force and elasticity in springs
- Describe what is meant by specific heat capacity and specific latent heat, including how to calculate them
- Explain how different surfaces absorb and emit radiation and how this can be investigated
- Explain how surfaces reflect and refract waves and how this can be investigated
- Explain the relationship between temperature, volume and pressure in gases.

French

Type of assessment

Vocab recall + listening, reading and writing tasks

Length of assessment

One lesson

- Knowing key French festivals & celebrations and expressing opinions.
- Discussing your birthday and Christmas in 3 tenses (past / present / future).
- Discussing food & drink for key festivals & celebrations.
- Describing your school and saying what school subjects you study.
- Describing your school day.
- Talking about the school rules.
- Comparing the French & British school systems.
- Talking about school in the past tense.

Spanish

Type of assessment

Vocab recall + listening, reading and writing tasks

Length of assessment

One lesson

- Knowing key Spanish festivals & celebrations and expressing opinions.
- Discussing your birthday and Christmas in 3 tenses (past / present / future).
- Discussing food & drink for key festivals & celebrations.
- Describing what makes a good friend.
- Using the conditional to describe your ideal friend.
- Talking about role models.
- Using the past tense to describe your childhood and primary school.

PE

Type of assessment

Knowledge recall test

Length of assessment

One lesson

- Be able to list the major bones and muscles found in the body
- State all three of the connective tissues
- Explain the muscular system and how contractions work
- Function of the cardiovascular system
- Breathing mechanics and how it works
- Components of the blood and their functions
- Function of the skeletal system
- Components of the heart
- Joints and their range of motion

Drama

Type of assessment

REAL Comp 1 Assessment on 'Beginnings' - which will involve a written coursework document plus practical engagement in workshop lessons.

Length of assessment

All lesson in January and February - 10 hours minimum

- I can devise drama
- I can prepare improvisation
- I can spontaneously improvise
- I can perform a range of different characters
- I can interpret script for performance
- I understand how semiotics impact performance
- I can work with a range of others
- I can identify key aspects of naturalistic performance style
- I can identify key aspects of a physical theatre performance style
- I can identify key aspects of an epic theatre performance style
- I can interpret script in performance
- I understand a range of roles within the performing arts and can elaborate on their responsibilities and skills
- I can describe a range of genres
- I can discuss a range of staging formats
- I can describe a range of narrative structures
- I can evaluate the work of self and others
- I can perform using a range of drama techniques

HSC

Type of assessment

Students will be sitting actual PSA assessment at the start of February so will not be doing an assessment in assessment week.

Length of assessment

One lesson

- Lifestages
  Growth & Development
- Physical development throughout each lifestage
- Intellectual development throughout each lifestage
- Emotional development throughout each lifestage
- Social development throughout each lifestage
- Factors (Physical, Lifestyle, Emotional, social, cultural, environmental, economic)
- Supportive/unsupportive relationships
- Life events (expected and unexpected)
- Coping with change caused by life events
- Types of Support